

Hydrolysed Wheat Gluten

TECHNICAL DATA SHEET

Hydrolysed wheat protein powder with at least 80% protein for feed, milk replacer, pet food and aquafeed formulations.

CAS No.	70084-87-6
Source	Vital wheat gluten
Physical form	Powder
Mean molecular weight	3,600 Da
Solubility	180 g/L
Supply grade	Feed ingredient

Product Information

Hydrolysed wheat gluten is produced by processing vital wheat gluten into a soluble protein material. Hydrolyzed wheat protein is another name used for this ingredient. The product on this page is supplied for animal feed applications, including milk replacers and feeds for young animals.

The technical profile includes protein and nitrogen criteria, molecular weight distribution, mineral values and amino acids. These details allow feed formulators to compare protein sources and define the material required for a particular recipe. Bulk supply is packed in lined bags.

Specifications

Parameter	Specification
Protein, as is	≥80.0%
Moisture	≤8.0%
Ash	≤1.2%
Total nitrogen	≤12.8%
Amino nitrogen	≤0.5%
pH (6% solution)	4.0–6.0
Fat	≤2.0%
Total carbohydrates, calculated	≤11.7%
Peptide-bound glutamine	30.0%
Free glutamine	1.2%
Standard plate count	≤30,000 CFU/g
Coliforms	≤10 CFU/g
Yeast and mold	≤500 CFU/g
Escherichia coli	None detected
Salmonella	None detected
Mean molecular weight	3,600 Da
Solubility	180 g/L
Color (2% in water)	Milky
Mineral profile	Calcium (mg/100 g): 33; Magnesium (mg/100 g): 35; Potassium (mg/100 g): 700; Sodium (mg/100 g): 680; Phosphorus (mg/100 g): 125; Iron (mg/100 g): 3; Chloride (mg/100 g): 300
Molecular weight distribution	Molecular weight >10,000 Da (area %): 18.9; Molecular weight 5,000–10,000 Da (area %): 9.6; Molecular weight 3,000–5,000 Da (area %): 5.3; Molecular weight 2,000–3,000 Da (area %): 3.0; Molecular weight 1,000–2,000 Da (area %): 7.4; Molecular weight 500–1,000 Da (area %): 13.6; Molecular weight 196–500 Da (area %): 35.9; Molecular weight <196 Da (area %): 6.3
Free amino acids	<6.5%
Amino acid profile	Alanine (mg/g): 23.2; Arginine (mg/g): 28.2; Aspartic acid (mg/g): 25.1; Cysteine (mg/g): 16.9; Glutamic acid, including glutamine (mg/g): 291.1; Glycine (mg/g): 27.3; Histidine (mg/g): 15.8; Isoleucine (mg/g): 30.0; Leucine (mg/g): 56.9; Methionine (mg/g): 12.9; Lysine (mg/g): 14.6; Phenylalanine (mg/g): 41.4; Proline (mg/g): 94.6; Serine (mg/g): 49.4; Threonine (mg/g): 19.4; Tryptophan (mg/g): 7.0; Tyrosine (mg/g): 25.2; Valine (mg/g): 32.0

Typical values. The COA of each batch prevails.

Typical Properties & Commercial Information

HS code	3504.00
MOQ	500 kg
Packing	20–25 kg/bag with PE inner liner
Lead time	Approximately 14 days
Free sample	500 g
Incoterms	FOB / CFR / CIF
Supply	5,000 MT/year

Free sample: up to 500 g. Courier cost payable or use your courier account.

Applications

Milk replacers and starter feed: Hydrolysed wheat gluten provides a soluble plant protein option for suitable milk replacers and starter feeds.

Pet food recipes: Hydrolyzed wheat protein can be evaluated in suitable pet food recipes as a wheat-derived protein ingredient.

Aquafeed and compound feed: Soluble wheat protein offers an ingredient option for aquafeed and other compound feeds.

Packaging & Storage

Packaging	20–25 kg/bag with PE inner liner
Storage	Keep sealed in a cool, dry place, protected from moisture and direct sunlight.
Shelf life	2 years in intact original packaging.

Certifications & Documents

ISO 9001 · ISO 22000 · HACCP · KOSHER · FSSC 22000 · GMP · HALAL

Batch COA, technical data sheet and available safety documentation.

Company Contact

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The agreed purchase specification and the COA of each batch govern supply.